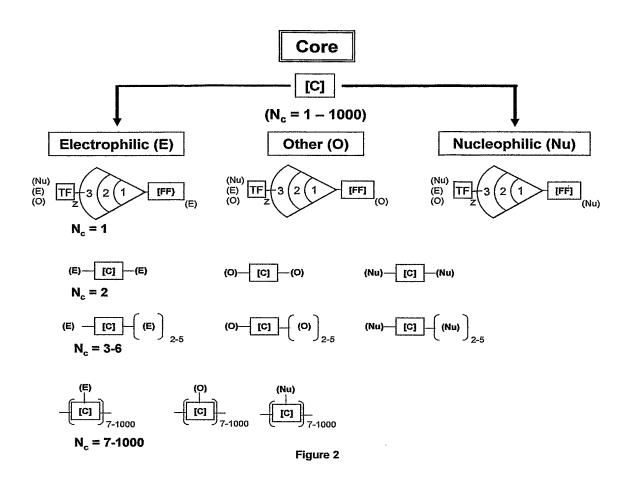
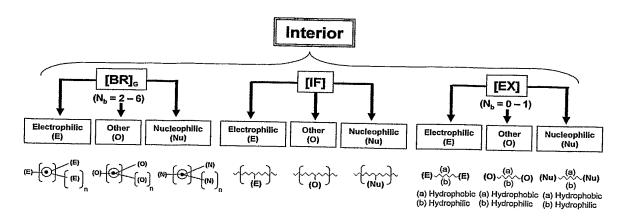


Figure 1





Where: n = 1-4

Figure 3

## Branch Cell Structure Resulting from a Tetra Glycidyl Ether

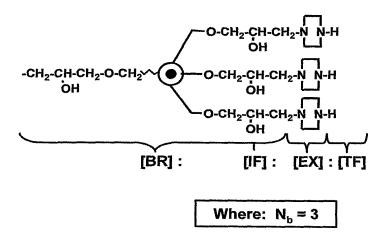
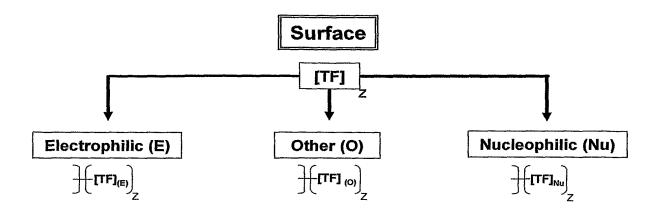


Figure 4



 $\underline{\mathbf{Where}} : \ \mathbf{z} = \mathbf{N_c} \mathbf{N_b}^{\mathbf{G}}$ 

Figure 5

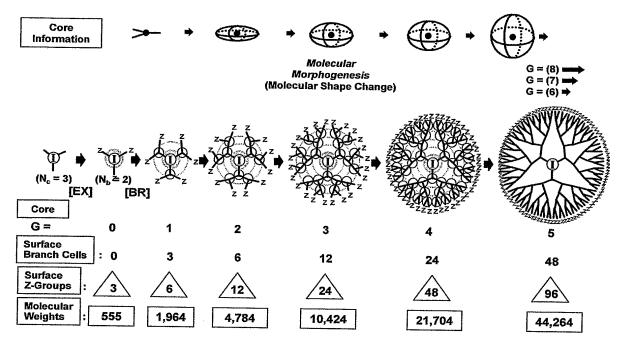


Figure 6

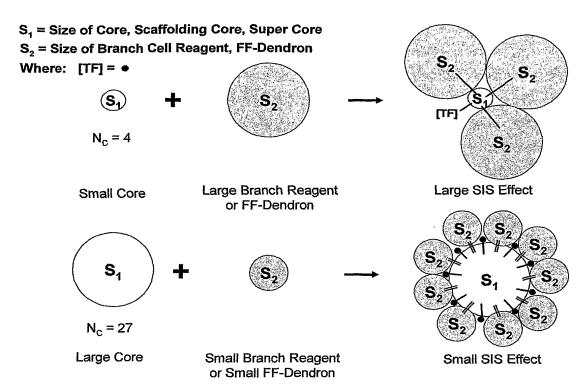


Figure 7

## **NSIS Induced Formation of Nascent Functionality/Reactivity**

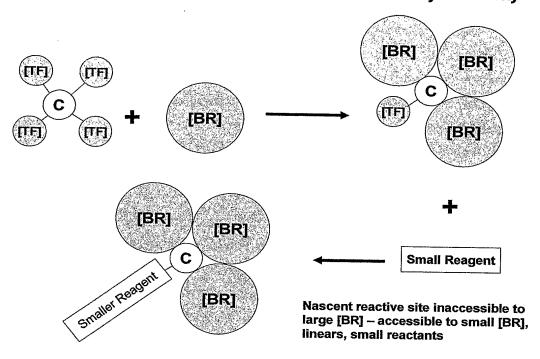
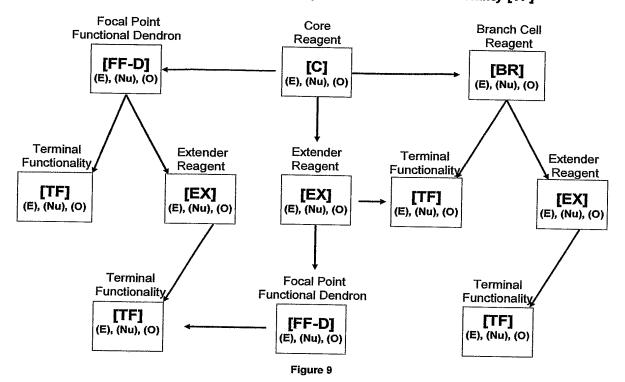


Figure 8

## Combinatorial Reactivities of Nucleophilic (Nu), Electrophilic (E), Other (O) (Free Radical) Features of the Core [C], Branch Cell Reagent [BR], Extender [EX], Focal Point Functional Dendron (FF-D) and Terminal Functionality [TF]



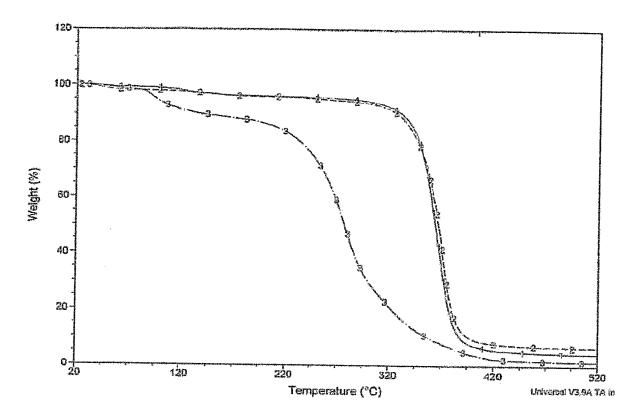


Figure 10

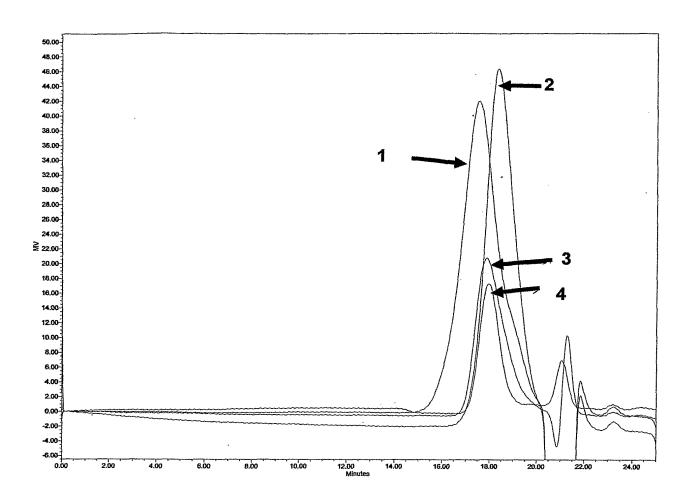


Figure 11